

IN THE CLAIMS

1. (Currently Amendment) A material separation screen, comprising:

multiple elongated members aligned along a separation screen frame ~~and configured to that~~ rotate in a direction causing material to move along the separation screen, the multiple elongated members configured with having a shape and spacing so that substantially rigid materials move along the screen while non-rigid or semi-rigid material slide down between adjacent ones of the multiple elongated members, wherein the multiple elongated members are tubes with a continuous round cross-sectional shape with a substantially smooth outside surface that extends along substantially an entire length of the elongated members.

2. (Cancelled).

3. (Currently Amended) The material separation screen according to claim 1 including at least one vacuum member that includes input holes ~~configured to that~~ suck air for retaining some of the non-rigid materials.

4. (Currently Amended) The material separation screen according to claim [1] 3 wherein the vacuum member includes output holes ~~configured to that~~ bloc air for dislodging the non-rigid materials retained by the input holes.

5. (Currently Amended) The material separation screen according to claim 4 including a divider located inside the vacuum member ~~configured to that~~ separates the input holes from the output holes.

6. (Currently Amended) The material separation screen according to claim 1 including discs located on at least some of the multiple elongated members.
7. (Currently Amended) The material separation screen according to claim 6 wherein the discs have multiple sides that maintain a substantially constant spacing with discs on adjacent multiple elongated members.
8. (Previously Presented) The material separation screen according to claim 6 wherein at least some of the discs are dual diameter discs having a primary disc with a first outside perimeter and a second disc with a second outside perimeter smaller than the first outside perimeter.
9. (Currently Amended) The material separation screen according to claim 8 wherein the primary disc on a first one of the multiple elongated members is aligned with the secondary disc on a second adjacent one of the multiple elongated members and the secondary disc on the first one of the multiple elongated members is aligned with the primary disc on the second adjacent one of the multiple elongated members.
10. (Currently Amended) The material separation screen according to claim 9 wherein the dual diameter discs ~~are aligned to form an overlapping stair stepped gap between dual diameter discs on adjacent elongated members~~ on adjacent elongated members partially overlap.
11. (Cancelled).
12. (Cancelled).

13. (Cancelled).

14. (Cancelled).

15. (Cancelled).

16. (Cancelled).

17. (Cancelled).

18. (Cancelled).

19. (Cancelled).

20. (New) A material separation screen, comprising:

multiple elongated tubes aligned along a separation screen frame that rotate in a direction causing material to move along the separation screen, the multiple elongated tubes having a shape and spacing so that substantially rigid materials move along the screen while non-rigid or semi-rigid material slide down between adjacent ones of the multiple elongated members; and

at least one of the multiple elongated tubes being a vacuum tube that includes input holes that suck air for retaining some of the non-rigid materials

21. (New) The material separation screen according to claim 20 wherein the vacuum tube includes output holes that block air for dislodging the non-rigid materials retained by the input holes.

22. (New) The material separation screen according to claim 21 including a divider extending substantially along an entire inside length of the vacuum tube that separates the input holes from the output holes.

23. (New) An apparatus, comprising:

an elongated tube for installation in a separation screen that when rotated causes material to move along the separation screen, the elongated tube having a shape that causes rigid materials to move along the separation screen while non-rigid or semi-rigid material slide down in front of or in back of the tube; and

the elongated tube having input holes that suck air for retaining some of the non-rigid materials.

24. (New) The apparatus according to claim 23 wherein the elongated tube includes output holes that block air for dislodging the non-rigid materials retained by the input holes.

25. (New) The material separation screen according to claim 21 including a divider located inside the elongated tube that separates the input holes from the output holes.